

WORKBOOK CHANGE(S)

Add D 3410008
Rev Date 10-30-03
F.A. Date 1-12-04
Letting Date 7-04

Move D _____
To Deleted File _____
Rev Date _____
F.A. Date _____
Letting Date _____

Remarks New SS. To include
the price of bituminous material
in the sq. yd. (meter) amount

Dates

*Copy of Spec to Paul that Impacts

QPL (ONLY) _____

Added to Nextwb file 12-10-03 sh

Deleted from Nextwb file _____

History File Updated _____

Rolodexed 4/21/04 sh

Additional back-up see _____

Route Slip

U.S. Department of Transportation
Federal Highway Administration
Florida Division
227 N. Bronough Street, Room 2015
Tallahassee, FL 32301

Distribution:

FDOT MS-75

RECEIVED

JAN 12 2004

SPECIFICATIONS

To:	Organization:	Date:	Routing Symbol:
MR. DUANE BRAUTIGAM	FDOT, SPECIFICATIONS ENGINEER	Jan 12, 2004	MS-75

- ☐ Per Your Request
- ☒ For Your Information
- ☐ Per Our Conversation
- ☐ Comment
- ☐ Take Appropriate Action
- ☐ Note and Return
- ☐ Discuss With Me
- ☐ For Your Approval
- ☐ For Your Signature
- ☐ Please Answer
- ☐ Prepare Reply
- For Signature of

Remarks:

FLORIDA SPECIFICATIONS:

D3410008, Supplemental Specification for Asphalt Rubber
Membrane Interlayer - Method of Measurement

Section 341

ATTACHMENTS

From:	Telephone Number:	FDOT MS:	Org/Rtg Symbol
FOR: JAMES E. ST. JOHN, DIVISION ADMINISTRATOR	(850) 942-9650, EXT. 3035	# 29	

DON Davis: ANN to file in binders cc: 1 (w/specification)



Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JOSÉ ABREU
SECRETARY

November 3, 2003

Mr. Donald Davis
Program Operations Engineer
Federal Highway Administration
227 N. Bronough Street, Suite 2015
Tallahassee, Florida 32301

Re: Office of Design, Specifications
Section 341
Proposed Specification: D3410008 – Asphalt Rubber Membrane Interlayer – Method of Measurement

Dear Mr. Davis:

We are submitting, for your approval, two copies of a proposed Supplemental Specification for Asphalt Rubber Membrane Interlayer – Method of Measurement.

This change was proposed by David Chason of the State Construction Office to include the price of bituminous material in the square yard (meter) amount.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via Email to SP965DB or duane.brautigam@dot.state.fl.us.

If you have any questions relating to this specification change, please call Duane F. Brautigam, State Specifications Engineer at 414-4110.

Sincerely,

Signature on file

Duane F. Brautigam, P.E.
State Specifications Engineer

DFB/sh

Attachment

cc: General Counsel
Florida Transportation Builders' Assoc.
State Construction Engineer

**ASPHALT RUBBER MEMBRANE INTERLAYER – PLACEMENT OF
ASPHALT CONCRETE OVERLAY.**

(REV 10-30-03)

Deleted: 341

Deleted:

Deleted: 11-5-02

Deleted: (FA 1-14-03) (7-03)

ARTICLE 341-8 (Page 282) is deleted and the following substituted:

341-8 Placement of Asphalt Concrete Overlay.

Ensure that the thickness and temperature of the initial layer of asphalt concrete placed on top of the asphalt rubber membrane interlayer are such that the overlay bonds to the interlayer and the underlying layer without voids or excessive binder. Core the asphalt overlay as directed by the Engineer to evaluate the binder and aggregate spread rates, as well as the effectiveness of the asphalt concrete overlay in producing a well-bonded interlayer.

Formatted

341-9 Method of Measurement.

341-9.1 Asphalt Rubber Membrane Interlayer: The quantity to be paid for will be plan quantity, in square yards [square meters], completed and accepted.

341-9.2 Bituminous Material (Asphalt Rubber Binder-Interlayer): The quantity will be the volume, in gallons [liters], determined as provided in 300-8.

341-9.3 Submittal of Certification of Quantities for Bituminous Material: Prepare a Certification of Quantities, using the Department's current approved form, for the quantity of bituminous material placed and accepted. Submit this certification to the Engineer no later than Twelve O'clock noon Monday after the monthly estimate cutoff date or as directed by the Engineer. The certification must include the Contract Number, FPID Number, State Project Number, Certification Number and period represented by the Certification.

Deleted:

Deleted: 341-8.1 Asphalt Rubber Membrane Interlayer: The quantity to be paid for will be plan quantity, in square yards [square meters], completed and accepted.¶

341-8.2 Bituminous Material (Asphalt Rubber Binder-Interlayer): The quantity to be paid for will be the volume, in gallons [liters], determined as provided in 300-8.¶

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341-10 Basis of Payment.

341-10.1 Asphalt Rubber Membrane Interlayer: Price and payment will be full compensation for all work specified in this Section, including furnishing cover materials, handling, spreading, rolling, bituminous material, and other incidental work necessary to complete this item.

341-10.2 Bituminous Material (Asphalt Rubber Binder-Interlayer): Payment will be included in the price of the asphalt rubber membrane interlayer and will be full compensation for furnishing asphalt cement, ground tire rubber, blending and handling.

341-10.3 Payment Items: Payment will be made under:

Item No. 341- 70-	Asphalt Rubber Membrane Interlayer - per square yard.
Item No. 2341- 70-	Asphalt Rubber Membrane Interlayer - per square meter.

Deleted: ¶

Deleted:

Deleted: 341-9.1 Asphalt Rubber Membrane Interlayer: The quantity to be paid for will be the area, in square yards [square meters], completed and accepted.¶

341-9.2 Bituminous Material (Asphalt Rubber Binder-Interlayer): The quantity to be paid for will be the volume, in gallons [liters], determined as provided in 300-9.

Deleted: Price and payment

Deleted: and

Deleted: Item No. 300- 1-19- Bituminous Material (Asphalt Rubber Binder-Interlayer) - per gallon.¶
Item No. 2300- 1-19- Bituminous Material (Asphalt Rubber Binder-Interlayer) - per liter

ok
8/1/2/04

**ASPHALT RUBBER MEMBRANE INTERLAYER – PLACEMENT OF
ASPHALT CONCRETE OVERLAY.
(REV 10-30-03)**

ARTICLE 341-8 (Page 282) is deleted and the following substituted:

341-8 Placement of Asphalt Concrete Overlay.

Ensure that the thickness and temperature of the initial layer of asphalt concrete placed on top of the asphalt rubber membrane interlayer are such that the overlay bonds to the interlayer and the underlying layer without voids or excessive binder. Core the asphalt overlay as directed by the Engineer to evaluate the binder and aggregate spread rates, as well as the effectiveness of the asphalt concrete overlay in producing a well-bonded interlayer.

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341-10.3 Payment Items: Payment will be made under:

- | | |
|--------------------|--|
| Item No. 341- 70- | Asphalt Rubber Membrane Interlayer - per square yard. |
| Item No. 2341- 70- | Asphalt Rubber Membrane Interlayer - per square meter. |

APPROVED:  DATE: 1/12/04
For the Division Administrator



Shirley Harvey

11/03/2003 01:56 PM

To: donald.davis@fhwa.dot.gov
cc: bburleson@ftba.com, acarlisle@ftba.com, David
Chason/CO/FDOT@FDOT, ann.allshouse@fhwa.dot.gov
Subject: Approval for D3410008 - Asphalt Rubber Membrane Interlayer-Method
of Measurement



D3410008.doc

Please review the attached document and return comments/approval as soon as possible.

Thanks,
shirley harvey
SC 994-4120
(850)414-4120
shirley.harvey@dot.state.fl.us



Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JOSÉ ABREU
SECRETARY

November 3, 2003

Mr. Donald Davis
Program Operations Engineer
Federal Highway Administration
227 N. Bronough Street, Suite 2015
Tallahassee, Florida 32301

Re: Office of Design, Specifications
Section 341
Proposed Specification: D3410008 – Asphalt Rubber Membrane Interlayer – Method of Measurement

Dear Mr. Davis:

We are submitting, for your approval, two copies of a proposed Supplemental Specification for Asphalt Rubber Membrane Interlayer – Method of Measurement.

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Please review and transmit your comments, if any, within two weeks. Comments should be sent via Email to SP965DB or duane.brautigam@dot.state.fl.us.

If you have any questions relating to this specification change, please call Duane F. Brautigam, State Specifications Engineer at 414-4110.

Sincerely,

A handwritten signature in black ink, appearing to read "Duane F. Brautigam".

Duane F. Brautigam, P.E.
State Specifications Engineer

DFB/sh

Attachment

cc: General Counsel
Florida Transportation Builders' Assoc.
State Construction Engineer

**341—ASPHALT RUBBER MEMBRANE INTERLAYER – PLACEMENT
OF ASPHALT CONCRETE OVERLAY.**

~~—(REV 11-5-0210-30-03)-(FA 1-14-03)-(7-03)~~

ARTICLE 341-8 (Page 282) is deleted and the following substituted:

341-8 Placement of Asphalt Concrete Overlay.

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~~—341-8.1 Asphalt Rubber Membrane Interlayer: The quantity to be paid for will be plan quantity, in square yards [square meters], completed and accepted.~~

~~—341-8.2 Bituminous Material (Asphalt Rubber Binder Interlayer): The quantity to be paid for will be the volume, in gallons [liters], determined as provided in 300-8.~~

~~—341-8.3 Submittal of Certification of Quantities for Bituminous Material: Prepare a Certification of Quantities, using the Department's current approved form, for the quantity of bituminous material placed and accepted. Submit this certification to the Engineer no later than Twelve O'clock noon Monday after the monthly estimate cutoff date or as directed by the Engineer. The certification must include the Contract Number, FPID Number, State Project Number, Certification Number and period represented by the Certification.~~

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~~—341-9.2 Bituminous Material (Asphalt Rubber Binder Interlayer): The quantity to be paid for will be the volume, in gallons [liters], determined as provided in 300-9.~~

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341-10.3 Payment Items: Payment will be made under:

Item No. 341- 70-	Asphalt Rubber Membrane Interlayer - per square yard.
Item No. 2341- 70-	Asphalt Rubber Membrane Interlayer - per square meter.

~~Item No. 300 1 19 Bituminous Material (Asphalt Rubber Binder Interlayer) per~~
~~gallon.~~
~~Item No. 2300 1 19 Bituminous Material (Asphalt Rubber Binder Interlayer) per~~
~~liter.~~

**ASPHALT RUBBER MEMBRANE INTERLAYER – PLACEMENT OF
ASPHALT CONCRETE OVERLAY.
(REV 10-30-03)**

ARTICLE 341-8 (Page 282) is deleted and the following substituted:

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- | | |
|--------------------|--|
| Item No. 341- 70- | Asphalt Rubber Membrane Interlayer - per square yard. |
| Item No. 2341- 70- | Asphalt Rubber Membrane Interlayer - per square meter. |

SPECIFICATION DEVELOPMENT PROCESS

THE INFORMATION BELOW IS TO BE PROVIDED BY THE ORIGINATOR
(The person who receives or originates the issue and needs to forward the issue for action.)

☐ Modify Specification _____D3410000_____.
Section/File number

☐ New Section _____.
Section number

Subject: Asphalt Rubber Membrane Interlayer – Method of Measurement and Basis of Payment

Origination date: October 29, 2003

Originator: David Sadler

Office/Phone: State Construction Office/414-4177 SC 994-4177

Email address/ dennis.barber@dot.state.fl.us

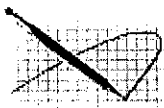
Userid:

Problem statement: Included the price of bituminous material in the square yard
(meter) amount.

Information source: David Chason

Background data: Added verbiage to take care of the measuring of this item.

Desired implementation date:



Clinton Shaw

10/29/2003 10:47 AM

To: Judy F Frazier/CO/FDOT@FDOT, Shirley Harvey/CO/FDOT@FDOT
cc:
Subject: Data posted to form 1 of
http://www11.myflorida.com/specificationsoffice/suggestion_page.htm

Ladies,

We have a problem. Please research this and let me know what happened so we can devise a fix.

Thanks

Clinton J. Shaw

(850) 414-4129 SC 994-4129

Clinton.Shaw@dot.state.fl.us

----- Forwarded by Clinton Shaw/CO/FDOT on 10/29/2003 10:43 AM -----



Duane F Brautigam

10/29/2003 10:29 AM

To: Clinton Shaw/CO/FDOT@FDOT
cc:
Subject: Data posted to form 1 of
http://www11.myflorida.com/specificationsoffice/suggestion_page.htm

Please look into this.

In a quick comparison with the 2000 Standard Specs, it looks funky, almost like we inadvertently deleted the old text for Placement of Asphalt Concrete Overlay from the old 341-7, plus we do seem to have the duplication as noted below.

Please respond to Ms. Heathcock as soon as you can sort it out.

Thanks - DFB

Duane F. Brautigam, P.E.

State Specifications Engineer

Florida Department of Transportation

(850) 414-4130; SC 994-4130

duane.brautigam@dot.state.fl.us

----- Forwarded by Duane F Brautigam/CO/FDOT on 10/29/2003 10:20 AM -----



<webmaster@dot.state.fl.us>

10/29/2003 09:25 AM

To: <Duane.Brautigam@dot.state.fl.us>
cc:
Subject: Data posted to form 1 of
http://www11.myflorida.com/specificationsoffice/suggestion_page.htm

Comments:	Error in the Specification
Contact_FullName:	Monique Heathcock
Contact_Title:	Project Manager
Contact_Organization:	Causseaux & Ellington, Inc.
Contact_StreetAddress:	6011 NW 1st Place
Contact_Address2:	
Contact_City:	Gainesville
Contact_State:	FL
Contact_ZipCode:	32607
Contact_WorkPhone:	352-331-1976
Contact_FAX:	352-331-2476
Contact_Email:	monique@cei-civil.com

Contact URL:

Remote Name: 209.208.99.58

S1:

I believe that Section 341 for ARMI layers in the 2004 standards may have an error in it. Section 341-8.1 and 8.2 are basically repeats of 341-9.1 and 9.2. In the 2000 standards, there is different information in the Placement of Asphalt Concrete Overlay section (341-8 in 2004, I think it has a different number in 2000). I looked online to see if there was a correction anywhere. Is there an error there? Do corrections get published on the website anywhere?